



PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/811,460
		Filing Date	March 26, 2004
		First Named Inventor	Regina I. Estkowski
		Art Unit	3661
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	RTN-208PUS
Sheet	1	of	2

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	/Christine Behncke/	Date Considered	05/23/2007
-----------------------	---------------------	--------------------	------------

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete If Known	
				Application Number	10/811,460
				Filing Date	March 26, 2004
				First Named Inventor	Regina I. Estkowski
				Art Unit	3661
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	RTN-208PUS

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/C.B./		STEVEN M. LAVALLE, Rapidly-Exploring Random Trees: Progress and Prospectspp. 2001, 1-16, University of Tokyo, Bunkyo-ku, Tokyo, Japan.			
/C.B./		JAMES BRUCE, Real-Time Randomized Path Planning For Robot Navigation, October 2002, pp. 1-6, Pittsburgh, PA .			
/C.B./		PENG CHEN, Resolution Complete Rapidly-Exploring Random Trees, May 2002, pp. 267-272, Washington DC.			
/C.B./		STEVEN M. LAVALLE, Randomized Kinodynamic Planning, May 1999, pp. 473-479, Detroit, Michigan.			
/C.B./		EPO Partial European Search Report 46709.EP01 dated April 26, 2004.			
/C.B./		K. EDWARDS, Core Jini, Java Series, June 1999, pp. 657-672.			
/C.B./		EDWARDS K, Core Jini, Core Jini, XX, pp. 635-656.			
/C.B./		PEDRO GARCIA, ORIOL MONTALA, CHARLES PAIROT AND ROBERT RALLO, Move: Component Groupware Foundations for Collaborative Virtual Environments, October 2002, pp. 55-62.			
/C.B./		ERIK GUTMANN, Service Location Protocol: Automatic Discovery of IP Network Services, July 1999, pp. 71-80.			
/C.B./		PCT Partial Search Report 46709.EP01 dated November 5, 2004.			

Examiner Signature	/Christine Behncke/	Date Considered	05/23/2007
--------------------	---------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



For the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Shoe

1

of

Complete If Known	
Application Number	10/811,460
Filing Date	March 26, 2004
First Named Inventor	Regina I. Estkowski
Art Unit	3661
Examiner Name	Not Yet Assigned
Attorney Docket Number	RTN-208PUS

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner
Signature

/Christine Behncke/

Date Considered

05/23/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language transcription is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (or by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

				<i>Complete if Known</i>	
Substitute for form 1449/PTO				Application Number	10/811,460
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Filing Date	March 26, 2004
				First Named Inventor	Regina I. Estkowski
				Art Unit	3661
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	RTN-208PUS

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/C.B./		STEVEN M. LAVALLE, Rapidly-Exploring Random Trees: Progress and Prospectspp. 2001, 1-16, University of Tokyo, Bunkyo-ku, Tokyo, Japan			
/C.B./		JAMES BRUCE, Real-Time Randomized Path Planning For Robot Navigation, October 2002, pp. 1-6, Pittsburgh, PA			
/C.B./		PENG CHEN, Resolution Complete Rapidly-Exploring Random Trees, May 2002, pp. 267-272, Washington DC			
/C.B./		STEVEN M. LAVALLE, Randomized Kinodynamic Planning, May 1999, pp. 473-479, Detroit, Michigan			

Examiner Signature	/Christine Behncke/	Date Considered	05/23/2007
--------------------	---------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/088 (02-03)

Approved for use through 04/30/2003. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete If Known

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

1

Application Number	10/811,460
Filing Date	March 26, 2004
First Named Inventor	Regina I. Estkowski
Art Unit	3661
Examiner Name	Not Yet Assigned
Attorney Docket Number	RTN-208PUS

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/C.B./		PCT/US2005/005027 International Search Report dated February 22, 2006.	
/C.B./		D. HSU, R. KINDEL, J.-C LATOMBE, S. ROCK, Randomized Kinodynamic Motion Planning with Moving Obstacles, March, 2002, pp. 1-38, Database Inspection on-line, The Institute of Electrical Engineers.	
/C.B./		STEVEN M. LAVALLE, JAMES J. KUFFNER, JR., Randomized Kinodynamic Planning, May 10, 1999, pp. 473-479, Volume 1, Detroit, Michigan.	
/C.B./		T. SARTINI, M. VENDITTELLI, G. ORIOLO, A Resolution-Adaptive Strategy For Probabilistic Motion Planning, June 9, 2002, pp. 591-596, Piscataway, New Jersey.	
/C.B./		JUN MIURA, HIROSHI UOZUMI, YOSHIAKI SHIRAI, Mobile Robot Motion Planning Considering the Motion Uncertainty of Moving Obstacles, pp. 692-697, October 12, 1999, Piscataway, New Jersey.	

Examiner Signature	/Christine Behncke/	Date Considered	05/23/2007
--------------------	---------------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with NIEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.